SWP Weekly Water Quality Summary

November 18 to 24, 2009

Electrical Conductivity: Concentrations decreased at all locations except Vallecitos from November 18 to 24, 2009. Concentrations ranged from 246 µS/cm to 503 µS/cm (148 mg/L to 302 mg/L), below the Article 19 Monthly Average Objective of 440 mg/L (733 µS/cm). As of November 24, the lowest concentration of 246 µS/cm occurred at Barker Slough while the highest concentration of 493 µS/cm occurred at Devil Canyon. EC concentrations at Harvey O. Banks Pumping Plant (HBP) decreased slightly from 402 µS/cm to 401 µS/cm as of November 24, 2009.

Bromide*: Concentrations exceeded the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L at all locations. Concentrations ranged from 0.07 mg/L to 0.24 mg/L. As of November 24, Barker Slough had the lowest concentration of 0.07 mg/L, while the highest concentration of 0.23 mg/L occurred at Devil Canyon. Concentrations at HBP were unchanged at 0.16 mg/L this week.

* Bromide concentrations are calculated values using linear regression equations using EC concentrations and are not as accurate as bromide concentrations from laboratory analysis.

Turbidity: From November 18 to 24, turbidity levels increased at HBP, Check 41 and Vallecitos, but decreased at Barker Slough. Turbidity levels ranged from 1.3 NTU to 49.3 NTU during the week. As of November 24, 2009, the lowest level of 1.3 NTU occurred at Devil Canyon while the highest level of 46.0 NTU occurred at Barker Slough. As of November 24, the levels at HBP increased slightly from 3.9 NTU to 4.0 NTU.

Dissolved Organic Carbon (DOC): Concentrations increased from 2.1 mg/L to 2.2 mg/L at Check 13, but decreased from 4.9 mg/L to 1.8 mg/L at Edmonston. As of November 24, the DOC concentration at HBP was 2.4 mg/L.

Taste and Odor Compounds: MIB and geosmin concentrations were low project wide ranging from ND to 15 ng/L at Clifton Court Inlet and Outlet, HBP, Check 41, Check 66 and Silverwood Lake as of November 23 and 24, 2009.

Ground water pump-ins to the California Aqueduct from November 18 to 24, 2009 totaled 20,465 AF. The break down of the total volume was:

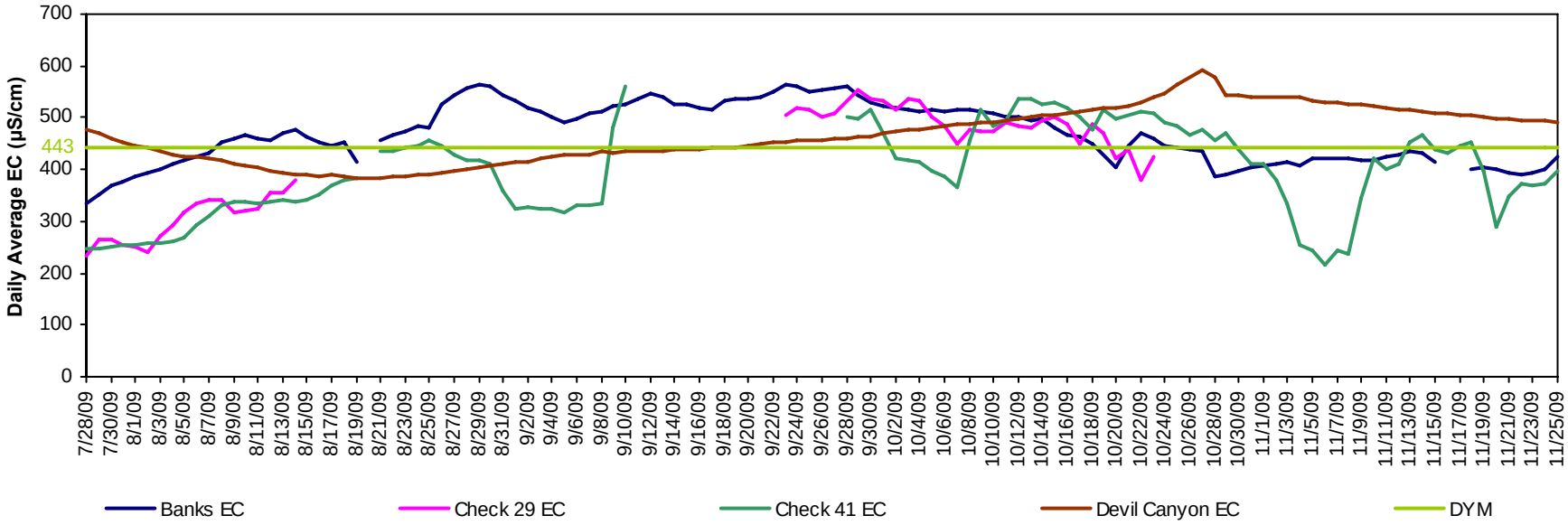
- Arvin Edison Water Storage District = 2,198 AF
- Kern Water Bank Authority (who operate the Kern Water Bank Canal) = 5,432 AF
- Kern County Water Agency (who operate the Cross Valley Canal) = 9,206 AF
- Semitropic (2&3) Water Storage District = 3,629 AF.
- Wheeler Ridge Maricopa Water Storage District = 0 AF.

As of October 21, 2009, no data were available for Del Valle Check 7and Pacheco Pumping Plant due to maintenance driven station shut downs, and Check 29 due to a malfunctioning turbidity instrument and the water quality station upgrades currently underway.

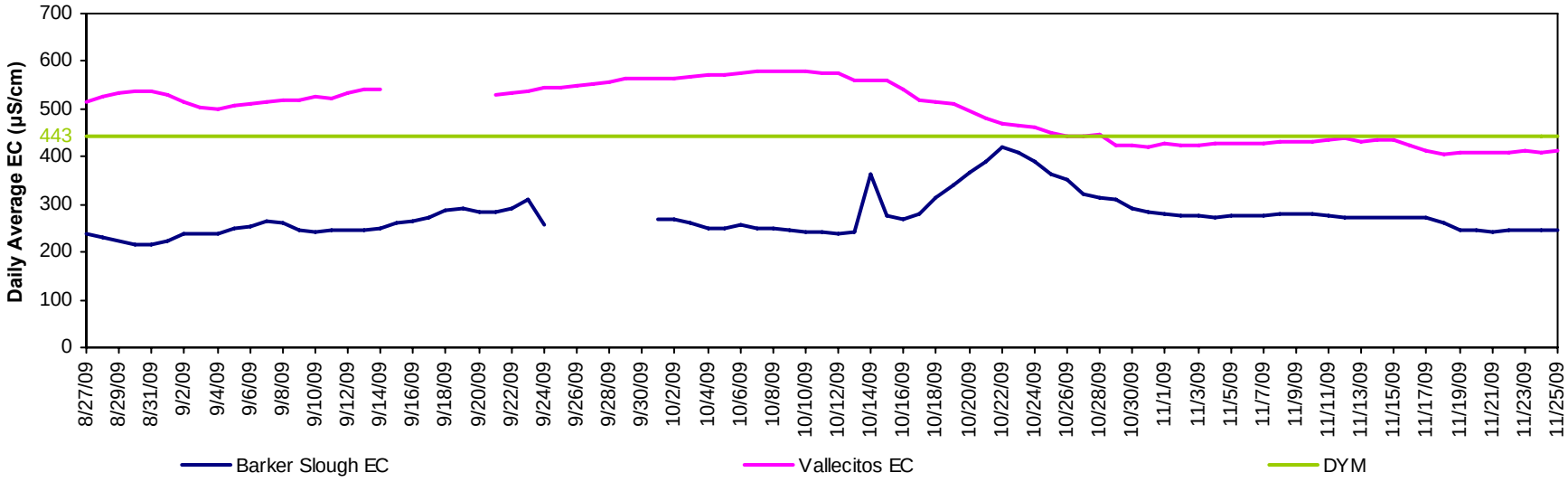
The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientists and interested parties with the status of water quality in the State Water Project (SWP). Your comments, questions and suggestions are welcome and can be directed to Cindy Garcia @ 916-653-7213, or Austine Eke @ 916-653-7227. To view WQ data from the automated stations along the SWP, visit: http://www.water.ca.gov/swp/waterquality/AutostationData/Autostation_map.cfm, and click on a station name on the map to link to the station's data on the California Data Exchange Center (CDEC) website.

To view the Edmondston's daily AF pumping data, visit: www.water.ca.gov. Click on the "State Water Project" tab, and click on the "Operations Control" link. Look under the "Project-Wide Operations" header for the "Dispatcher's Daily Water Report."

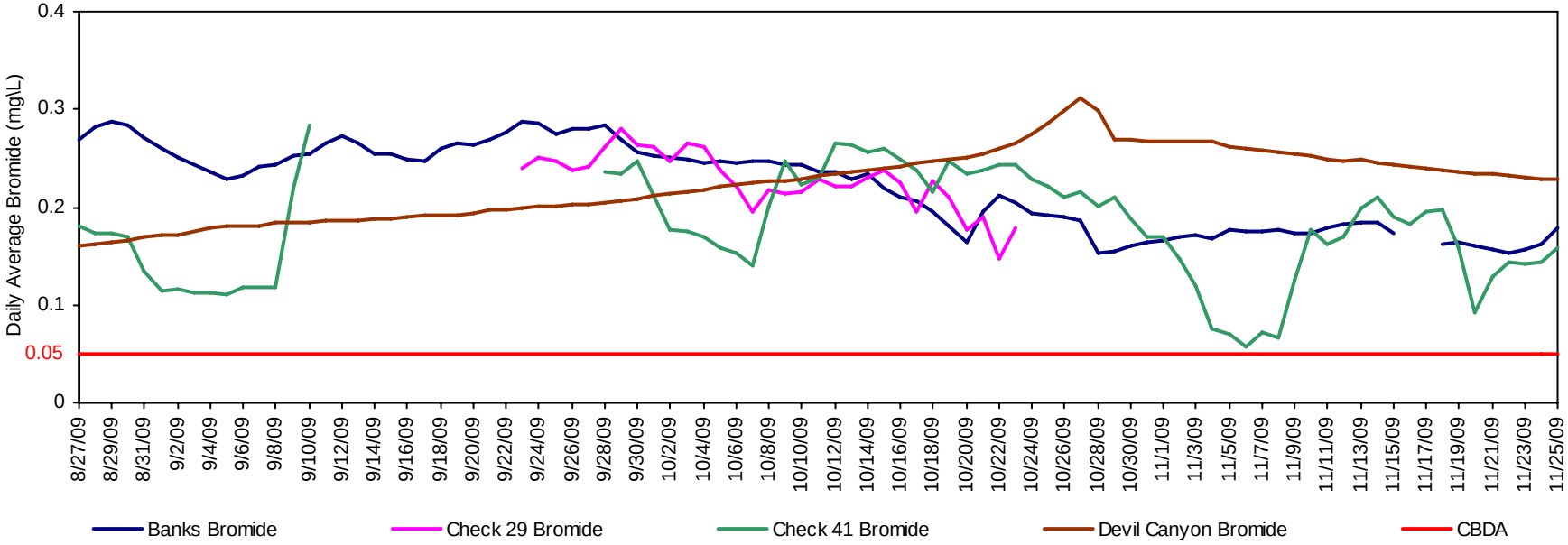
California Aqueduct - Electrical Conductivity



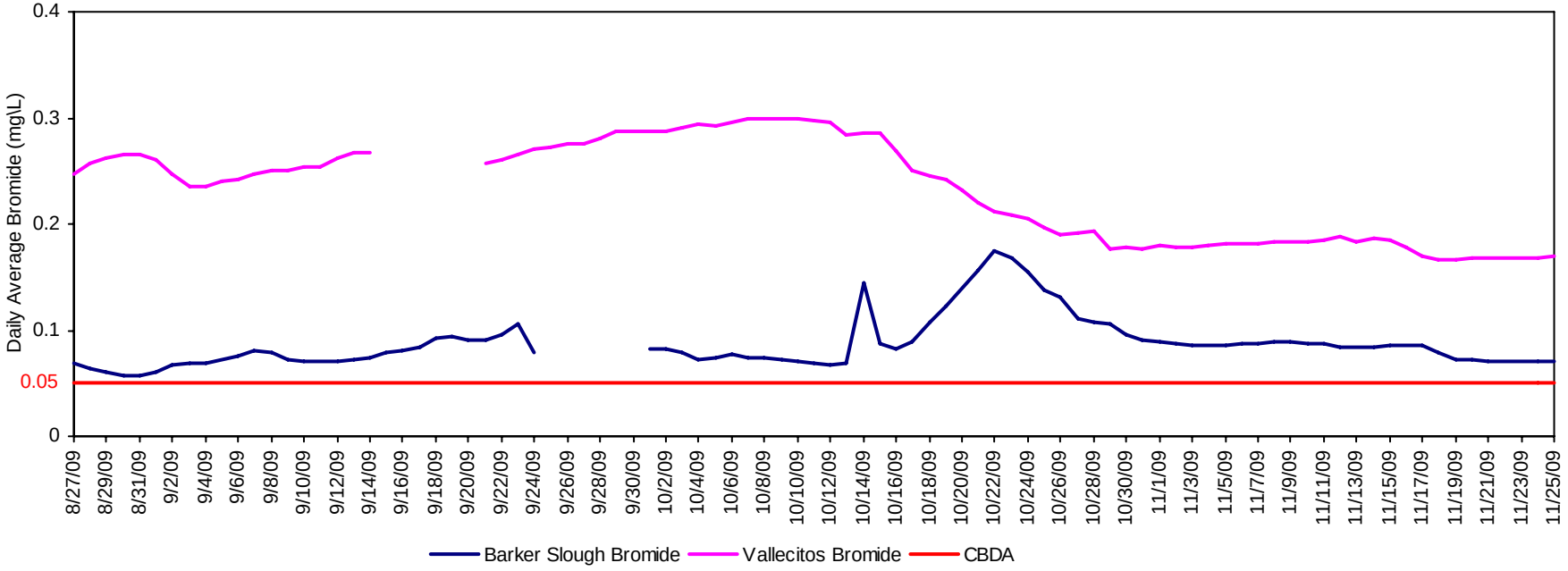
North and South Bay Aqueduct - Electrical Conductivity



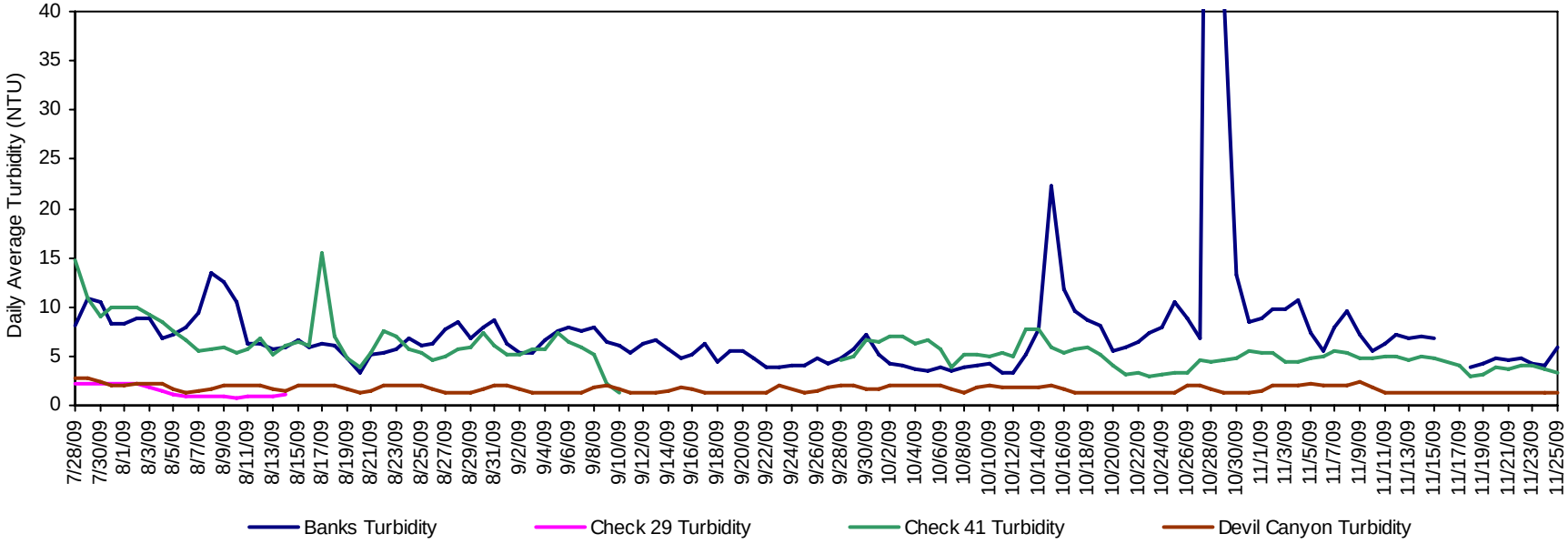
California Aqueduct - Calculated Bromide



North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



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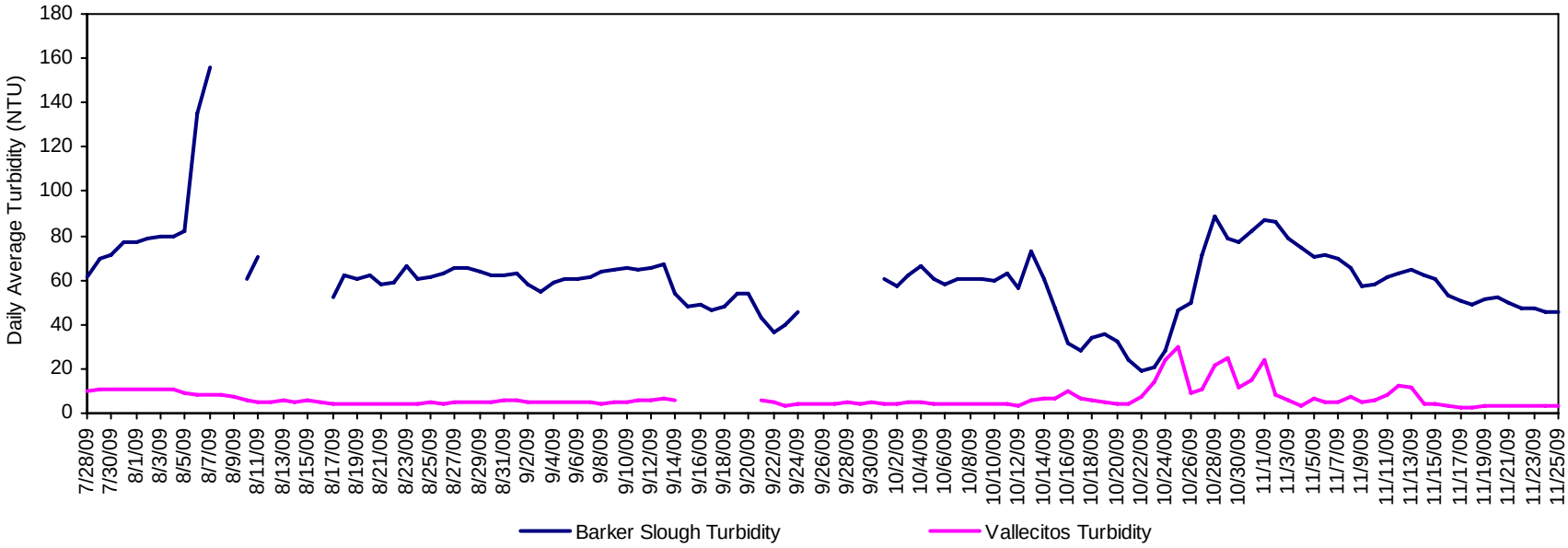

California Aqueduct
Calculated Dissolved Organic Carbon